



F(B)

JOHN READHEAD &
SONS LTD.

530-5-6-8-9

530, 2, 3, 6, 7, 8, 8240

Profile & Deck

S.S. EMPIRE SQUIRE
NEWCASTLE ON TYNE.

Report No. 100132

S.S. EMPIRE
FORREST
NEWCASTLE ON TYNE.

Report No. 100299

S.S. EMPIRE HAZLITT
NEWCASTLE ON TYNE.

Report No. 100567

S.S. "EMPIRE RUSKIN"
NEWCASTLE ON TYNE.

Report No. 100158

S.S. EMPIRE LAKELAND
NEWCASTLE ON TYNE.

Report No. 100924

JOHN READHEAD &
SONS LTD.,
YARD NO. 536

"EMPIRE PICKWICK"
NEWCASTLE ON TYNE.

Report No. 101664

Profile & Deck plans
M/N MANTOS

014095-014109-0193

S.P. "EMPIRE RUSKIN"
NEWCASTLE ON TYNE.

Report No. 100958.

JOHN READHEAD &
SONS LTD.,

YARD NO. 536

"EMPIRE PICKWICK"

NEWCASTLE ON TYNE.

Report No. 101664

Midship Section



6-5-47
5
JOHN READHEAD &
SONS LTD.,

525-6-8-97
530, 2, 3, 6, 7, 8 + 540.

Chestship Section

4

Forward plan

S.S. EMPIRE SQUIRE. GY
N.P. MAKEDONIA
NEWCASTLE ON TYNE. N/N ANTITAS

Report No. 100132.

ss EMPIRE FOREST
NEWCASTLE ON TYNE.

Report No. 100299.

ss EMPIRE HAZLITT
NEWCASTLE ON TYNE.

Report No. 100567

March 4th prefabrication - 525, 526, 532, 536.

March, part, prefabrication - 528, 529, 530, 533, 536, 537, 540,

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S.S. EMPIRE LAKELAND

NEWCASTLE ON TYNE.

Report No. 100924

Lloyd's Register
Foundation

014099-014104-0192

THE SCANTLINGS ARE SUITABLE FOR A DRAUGHT OF 26'-3" EXTREME

SHIP NO. 525 (READHEADS)

MIDSHIP SECTION.

SCALE: 1/2" = ONE FOOT.

TO CLASS 100 R.I. WITH FREEBOARD AT LLOYDS SPECIAL SURVEY.

DIMENSIONS: ~ 425'-0" B.P. ON L.W.L. X 56'-0" MLD 56'-3" EXT X 27'-0" NORMAL SHEER X 28'-8" FLAT SHEER MLD TO 2ND DK 37'-8" FLAT SHEER MLD TO UPPER DK

LLOYDS NUMERALS TO NORMAL SHEER

FIRST LONGITUDINAL NUMBER $L \times D = 425' 0" \times 35' 75$	= 15193.75
SECOND LONGITUDINAL NUMBER $L \times (B+D) = 425' 0" \times (56' 0" + 35' 75)$	= 38993.75
$\frac{L}{D}$ TO UPPER DECK = $425' 0" \div 36' 75$	= 11.27
D MOULDED DEPTH = $27' 75" + 8' 10"$	= 35' 75"
$d = 36' 75" - (9' 0" + 3' 75")$ - CREDIT FOR DEEPER KNEES & FRAME BRACKET = 23' 3"	

EQUIPMENT NUMBER	
SECOND LONGITUDINAL NUMBER = $425' 0" \times (56' 0" + 36' 75)$	= 39418.75
FORECASTLE = $40' 0" \times 7' 5" \times \frac{3}{4}$	= 225.00
MIDSHIP ACCOMMODATION & CARGO = $72' 25" \times 8' 0" \times \frac{1}{2}$	= 289.00
SALOON ACCOMMODATION = $30' 0" \times 8' 0" \times \frac{1}{2}$	= 120.00
EQUIPMENT NUMBER	= 40052.75

EQUIPMENT

- X 2 BOW ANCHORS 68 CWT EACH STOCKLESS
- 1 STREAM ANCHOR 19 CWT EX-STOCK
- 225 FATHOMS $\frac{1}{2}$ " STUD CHAIN CABLE 600 CWT
- 90 FATHOMS $\frac{1}{2}$ " STREAM CHAIN OR 5" FLEXIBLE STEEL WIRE 6" x 12"
- 120 FATHOMS $\frac{3}{4}$ " SPECIAL FLEXIBLE STEEL WIRE 6" x 24"
- 2 HAWSELS 90 FATHOMS 8" HEMP OR $\frac{3}{4}$ " FLEXIBLE STEEL WIRE 6" x 12"
- 2 WARPS 90 FATHOMS 7" HEMP OR $\frac{3}{4}$ " FLEXIBLE STEEL WIRE 6" x 12"

RIVETING NOTE

RIVETS IN FRAMES TO FLOORS AND CROSS TIE PLATES IN AFT PEAK SPACED 5 DIAS APART CR TO CR
 RIVETS IN FRAMES TO SHELL AT FLAT OF DOUBLE BOTTOM FOR MD LENGTH FORMED SPACED $\frac{1}{2}$ DIAS (TWO COMPLETE ROWS)
 RIVETS IN FRAMES TO FLOORS AT FLAT OF DOUBLE BOTTOM FOR MD LENGTH FORMED SPACED $\frac{1}{2}$ DIAS (TWO COMPLETE ROWS)
 RIVETS IN SIDE FRAMES TO SHELL SPACED $\frac{1}{2}$ DIAS PART, $\frac{1}{2}$ DIAS APART IN WAY OF FORE & AFT PEAK TANKS AND DEEP FRAMING FOR MD
 RIVETS IN BOTTOM FRAMES TO SHELL AFT HALF LENGTH FORMED SPACED 7 DIAS APART CR TO CR
 RIVETS IN 4R. BUTTS OF OUTSIDE PLATING AND DECK STRINGER PLATES SPACED 4 DIAS APART CR TO CR
 RIVETS IN BUTTS OF DECK PLATING, INNER BOTTOM & MARGIN PLATING SPACED 4 DIAS APART CR TO CR
 RIVETS IN SEAMS & BUTTS OF BULKHEAD AND TUNNEL PLATING, MARGIN ANGLES AND WEAVER DECK STRINGER ANGLES
 AND BULKHEAD RAKE TO BULKHEAD SPACED $\frac{1}{2}$ DIAS APART CR TO CR
 RIVETS IN FLAT KEEL ANGLES, VERTICAL ANGLES CONNECTING FLOORS TO CENTRE GIRDERS AND SHELL FLANGE OF WATERTIGHT
 BULKHEAD FRAME SPACED 5 DIAS APART CR TO CR
 RIVETS IN FRAMES TO FLOORS AFT HALF LENGTH FORMED REVERSE FRAMES TO FLOORS AND INNER BOTTOM PLATING
 VERTICAL ANGLES TO FLOORS AND SIDE GIRDERS IN BULKHEAD STIFFENERS (EXCEPT PEAK BULKHEADS) AND IN DECK PLATING
 TO BEAMS ON EVERY FRAME SPACED 7 DIAS APART CR TO CR
 RIVETS IN CENTRE GIRDERS TOP ANGLES SPACED 7 DIAS APART CR TO CR NON WATERTIGHT
 RIVETS IN CENTRE GIRDERS TOP ANGLES SPACED 5 DIAS APART CR TO CR WATERTIGHT

THE SCANTLINGS OF ANGLE AND BULB ANGLE SECTIONS
 GIVEN ON THIS PLAN ARE IN B.S.

PLATE STEM, STERN POST AND RUDDER POST
 WILL BE SUBMITTED

LIST OF ALTERNATIVE AMERICAN SECTIONE
 WITH CORRESPONDING N.B.S. EQUIVALENTS

N.B.S.	ALTERNATIVE AMERICAN
12' x 3 1/2" x 7 1/2" B.A.	12' x 5 1/2" x 3 1/2" 80 LBS CHANNEL
12' x 3 1/2" x 6 1/2" B.A.	12' x 6 1/2" x 3 1/2" 75 LBS CHANNEL
12' x 3 1/2" x 4 1/2" B.A.	12' x 4 1/2" x 3 1/2" 30 LBS CHANNEL
12' x 3 1/2" x 7 1/2" B.A.	12' x 4 1/2" x 3 1/2" 30 LBS CHANNEL
8' x 3 1/2" x 12" B.A.	8' x 3 1/2" x 16" B.A.
9' x 3" x 36" B.A.	9' x 3 1/2" x 38" B.A.
6' x 2 1/2" x 49" B.A.	6' x 3" x 46" B.A.
6' x 3" x 42" B.A.	6' x 3" x 46" B.A.
6' x 3" x 38" B.A.	6' x 3" x 42" B.A.
7' x 3" x 12" B.A.	7' x 3" x 16" B.A.
8' x 3" x 12" B.A.	8' x 3" x 16" B.A.
7' x 3" x 42" B.A.	7' x 3" x 46" B.A.
7' x 3" x 48" B.A.	7' x 3" x 52" B.A.
7' x 3" x 54" B.A.	7' x 3" x 58" B.A.
7' x 3" x 60" B.A.	7' x 3" x 64" B.A.
7' x 3" x 66" B.A.	7' x 3" x 70" B.A.
7' x 3" x 72" B.A.	7' x 3" x 76" B.A.
7' x 3" x 78" B.A.	7' x 3" x 82" B.A.
7' x 3" x 84" B.A.	7' x 3" x 88" B.A.
7' x 3" x 90" B.A.	7' x 3" x 94" B.A.



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CLYDESHIPS LTD